

**PUBLIC SAFETY DEPARTMENT[661]**

**Adopted and Filed**

Pursuant to the authority of Iowa Code section 103A.7, the Building Code Commissioner, with the approval of the Building Code Advisory Council, hereby amends Chapter 301, "State Building Code—General Provisions," Iowa Administrative Code.

The Building Code Commissioner, the State Fire Marshal, and the Electrical Examining Board all have authority to adopt requirements for electrical installations. The Building Code Commissioner, the State Fire Marshal, and the Electrical Examining Board have agreed to attempt to coordinate their rule making in this area and, as a general policy, to adopt succeeding editions of the National Electrical Code in a timely fashion. The amendment adopted herein updates the State Building Code to adopt by reference the National Electrical Code, 2008 edition. Similar rule makings have been undertaken by the Electrical Examining Board and the State Fire Marshal and are published herein as **ARC 7341B** and **ARC 7342B**, respectively.

This amendment was proposed in a Notice of Intended Action published in the Iowa Administrative Bulletin on September 24, 2008, as **ARC 7179B**.

A public hearing on the proposed amendment was held on October 14, 2008, and extensive comments were received at the hearing and otherwise. The commenters fell into two categories: those who advocated that the new edition of the National Electrical Code be adopted without amendments and those who advocated that it be adopted with three specific amendments. The requested amendments were to retain provisions of the 2005 edition of the National Electrical Code regarding ground-fault circuit interrupters, arc-fault circuit interrupters, and tamper-resistant receptacles. After considering the public comments and the arguments presented, the Electrical Examining Board elected to adopt one of the three suggested amendments, the amendment that would retain the language of the 2005 edition of the National Electrical Code for ground-fault circuit interrupters. The Building Code Commissioner and the Building Code Advisory Council have elected to adopt the 2008 edition of the National Electrical Code with an amendment identical to that adopted by the Electrical Examining Board. Consequently, the amendment adopted herein contains an amendment to section 210.8 of the 2008 edition of the National Electrical Code regarding requirements for ground-fault circuit interrupters.

This amendment will become effective January 1, 2009.

This amendment is intended to implement Iowa Code section 103A.7.

The following amendment is adopted.

Amend rule 661—301.5(103A) as follows:

**661—301.5(103A) Electrical requirements.** The provisions of the National Electrical Code, ~~2005~~ 2008 edition, published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471, are hereby adopted by reference as the requirements for electrical installations, with the following ~~amendments~~ amendment:

~~Delete appendices A through G.~~

~~Delete all references to the "International Plumbing Code" and insert in lieu thereof "state plumbing code."~~

Delete section 210.8, paragraph (A) and insert in lieu thereof the following new paragraph:

(A) Dwelling Units. All 125-volt, single-phase, 15- and 20-ampere receptacles installed in the locations specified in (1) through (8) shall have ground-fault circuit-interrupter protection for personnel.

(1) Bathrooms.

(2) Garages, and also accessory buildings that have a floor located at or below grade level not intended as habitable rooms and limited to storage areas, work areas, and areas of similar use.

Exception No. 1 to (2): Receptacles that are not readily accessible.

Exception No. 2 to (2): A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord-and-plug connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).

Receptacles installed under the exceptions to 210.8(A)(2) shall not be considered as meeting the requirements of 210.52(G).

(3) Outdoors.

Exception to (3): Receptacles that are not readily accessible and are supplied by a dedicated branch circuit for electric snow-melting or deicing equipment shall be permitted to be installed in accordance with 426.28.

(4) Crawl spaces—at or below grade level.

(5) Unfinished basements—for purposes of this section, unfinished basements are defined as portions or areas of the basement not intended as habitable rooms and limited to storage areas, work areas, and the like.

Exception No. 1 to (5): Receptacles that are not readily accessible.

Exception No. 2 to (5): A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord-and-plug connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).

Exception No. 3 to (5): A receptacle supplying only a permanently installed fire alarm or burglar alarm system shall not be required to have ground-fault circuit-interrupter protection.

Receptacles installed under the exceptions to 210.8(A)(5) shall not be considered as meeting the requirements of 210.52(G).

(6) Kitchens—where the receptacles are installed to serve the countertop surfaces.

(7) Laundry, utility, and wet bar sinks—where the receptacles are installed within 1.8 m (6 ft) of the outside edge of the sink.

(8) Boathouses.

[Filed 10/29/08, effective 1/1/09]

[Published 11/19/08]

EDITOR'S NOTE: For replacement pages for IAC, see IAC Supplement 11/19/08.